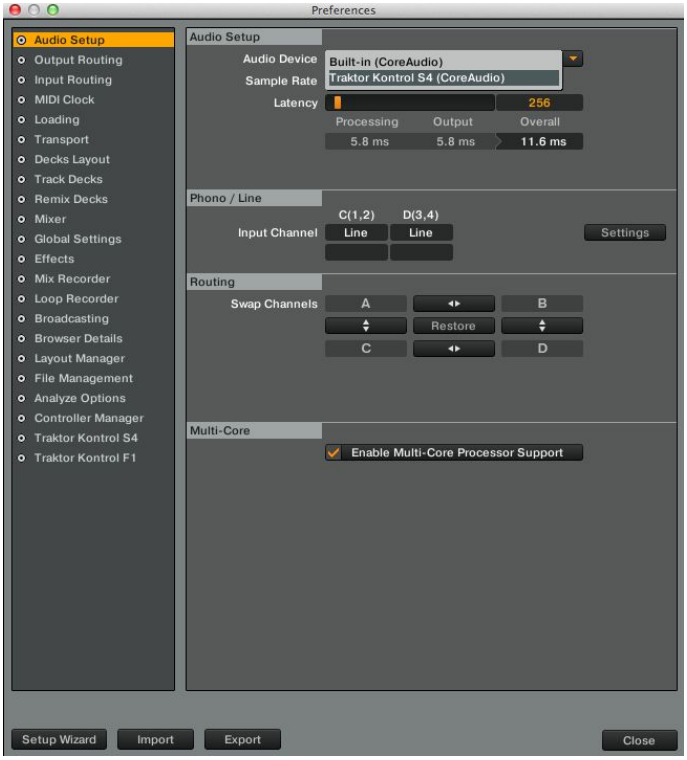
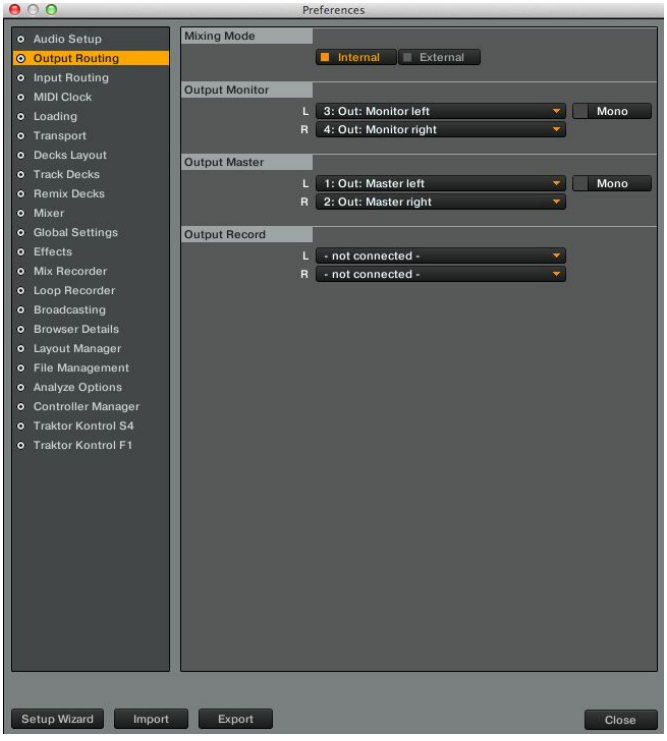
Traktor Audio Configuration

1. Select the S2/4 CoreAudio (for Mac) or S2/4 ASIO (for Windows) driver as your Audio Device.



2. Select ***Internal*** mixing mode and set the Output Monitor and Output Master using the available outputs with the same name.



Headphone Connection

Connect your headphones to the *Phones* output on the front of the S2/4 using the 1/4” TRS Stereo jack connector.

- Note that the connector must have two black bands for normal stereo left and right output.
- If using an adapter such as a 3.5mm to 1/4”, it must be a Stereo to Stereo adapter.
- Turn the CUE MIX knob all the way to the left (anti-clockwise) for only preview monitor channels with CUE enabled. Turn the CUE MIX knob all the way to the right for only master output.

PC Style Speaker Connection with 3.5mm Aux Input

Most PC speaker systems have a 3.5mm Stereo “Aux” or “Auxilary” connector that should be directly connected to the S4.

You will need a 3.5mm TRS Male Stereo Jack to Dual RCA Male cable

- The outputs of the S2/4 are **not** amplified and must be connected to **powered** speakers.
- Consult your speaker manual to confirm the input connections.

HiFi or Home Theatre Amplifier Connection

Most HiFi or Home Theatre Amplifiers have RCA inputs that allow direct connection to the S2/4 RCA outputs.

You will need a Dual RCA Male to Dual RCA Male cable.

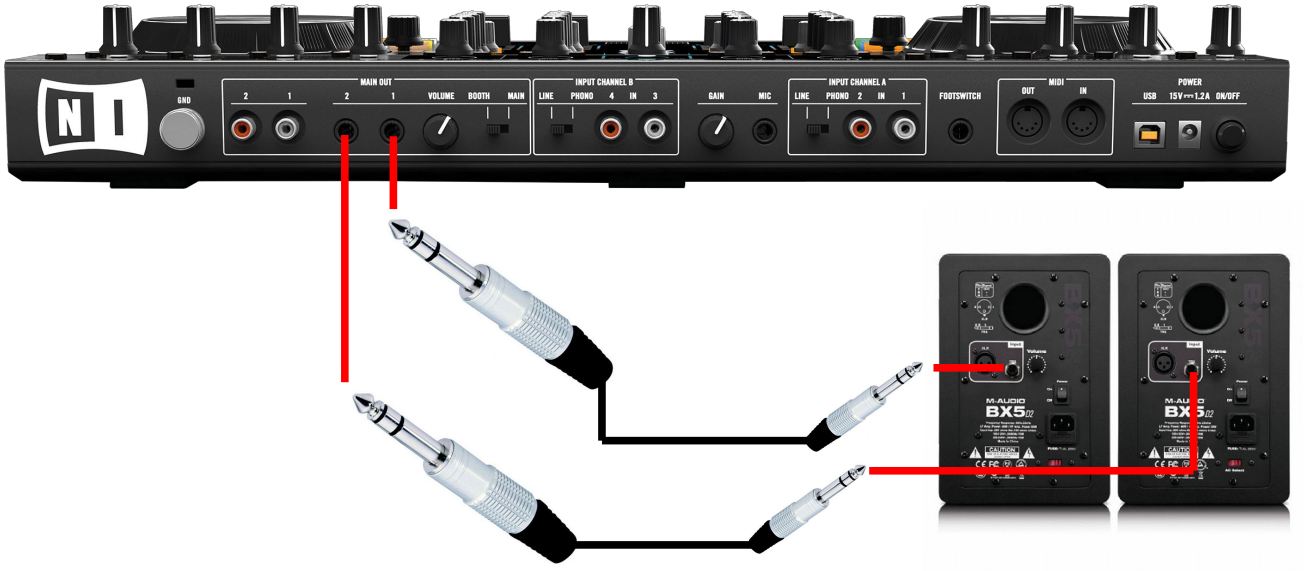
Locate an available input on your amplifier such as the CD, Tape or Auxiliary input channel. Select that channel using the input dial or button on your amplifier.

- Many systems have a convenient “Aux” input on the front of the unit which may be 3.5mm. Use the same method described in the *PC Style Speaker Connection with 3.5mm Aux Input* section.
- You must connect the S2/4 output to a **LINE** level input on the amplifier. Do not use any PHONO inputs which are for vinyl turntables that have a lower output level.
- Note that home theatre amplifiers often introduce a noticeable audio delay when converting the stereo input to home theatre output with multiple speakers and subwoofer. It is recommended that you disable audio processing and use a simple stereo audio processing option. Consult your amplifier manual for more information on the available settings to disable Dolby/THX or other audio processing.

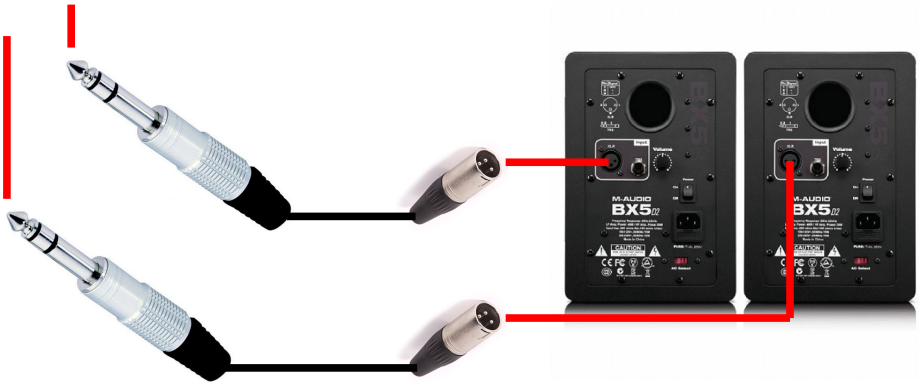
Powered Studio Monitor or Professional Performance Speakers

Most powered Studio Monitor Speakers or PA speakers will have XLR and/or 1/4” TRS Jack inputs and may also have RCA or 3.5mm Aux inputs. Where possible, use the XLR or TRS Balanced Audio connections to use the professional quality outputs of the S2/4.

You will need two 1/4” TRS Male Jack to 1/4” TRS Male Jack cables
OR two 1/4” TRS Male Jack to XLR Male cables



Or if using XLR connections:



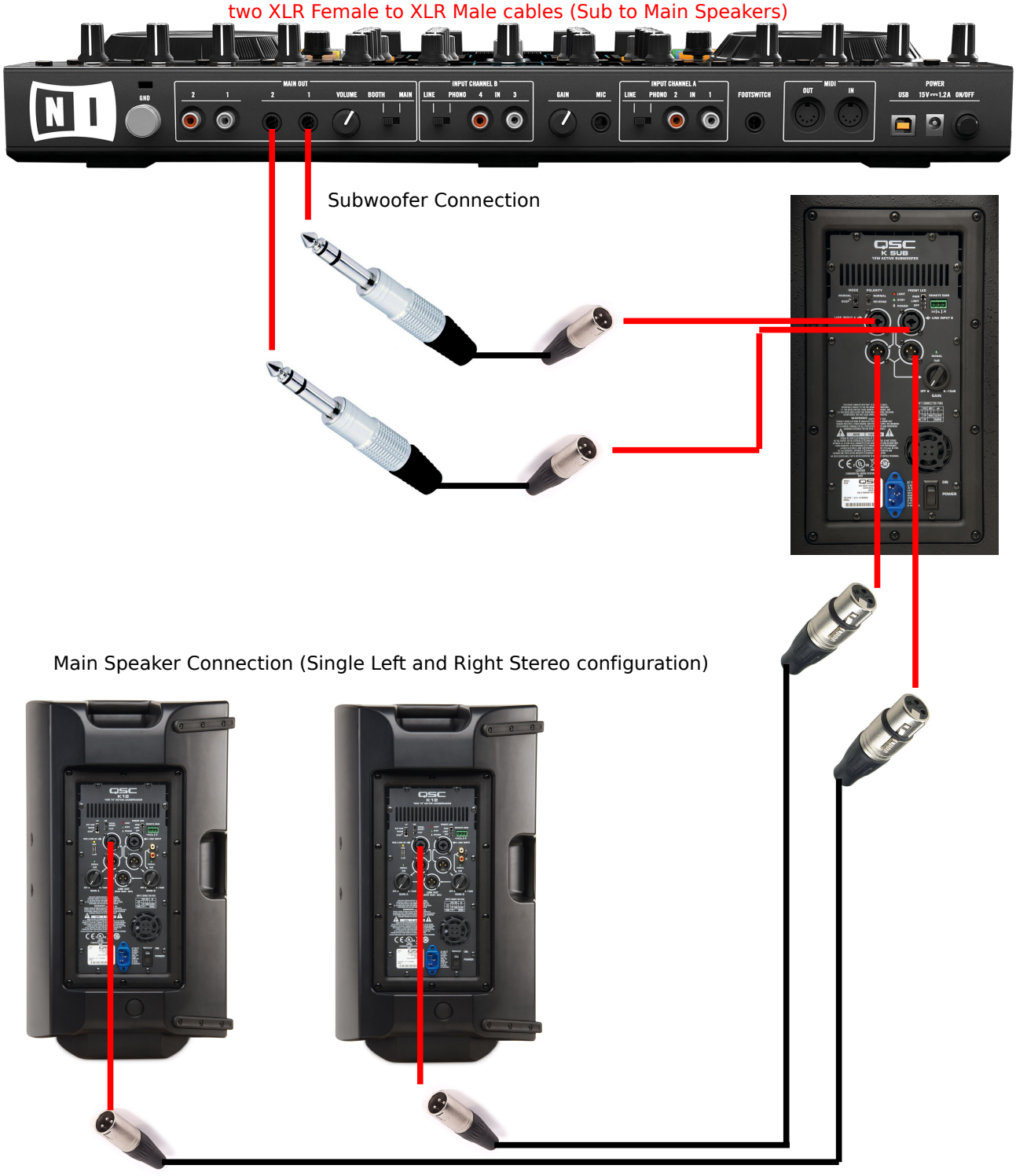
- These connections apply to directly connected PA Speakers commonly used for gigs and parties.
- Note that on some S2/4 models there is a BOOTH/MAIN switch. For a basic speaker configuration use the MAIN switch position. When in BOOTH mode, the GAIN knob allows you to independently control the volume level of that output indicated by the white line above the outputs and the BOOTH/MAIN and Gain knobs.

Powered Performance Speakers with Single Powered Subwoofer (2.1)

The connections will depend on your specific model of speakers and subwoofer. If your sub-woofer has link or through outputs, then the most straightforward connection is to connect from the S2/4 to the subwoofer first and then from the subwoofer to the main speakers.

In the following example, you can use 1/4” TRS Jack connections as per the previous section, but this guide will demonstrate XLR connections at all the speakers.

You will need two 1/4” TRS Male Jack to XLR Male cables (S2/4 to Sub)
AND
two XLR Female to XLR Male cables (Sub to Main Speakers)

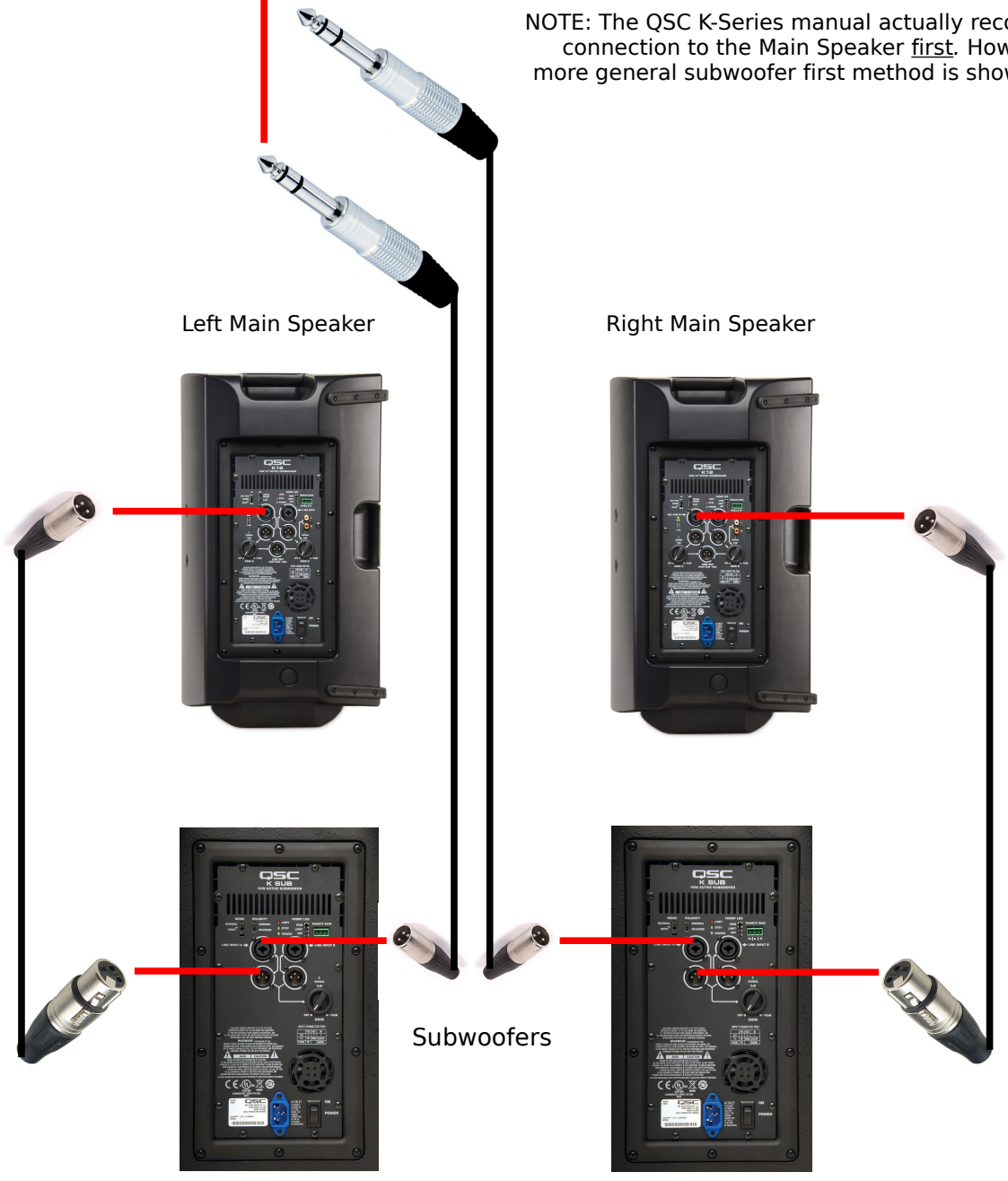


Powered Performance Speakers with Dual Powered Subwoofers (2.2)

This example extends the previous case of only a single Subwoofer to a common mobile DJ configuration where a Sub is often paired with each main speaker.

You will need two 1/4” TRS Male Jack to XLR Male cables (S2/4 to Sub)
AND
two XLR Female to XLR Male cables (Sub to Main Speakers)

NOTE: The QSC K-Series manual actually recommends connection to the Main Speaker first. However, the more general subwoofer first method is shown below.



Club or House Mixer Setup

If you are playing in a club or bar with an existing sound system or DJ booth, then you will most likely be connecting to the house mixer. This is as simple as finding a spare input on the mixer and will generally use an RCA connection.

Consult the venue audio technician to confirm how you should connect!

You will (probably) need a Dual RCA Male to Dual RCA Male cable

- Note that you must use a **LINE** level input on the house mixer when connecting the S2/4.
- It may be possible to use the 1/4” TRS Balanced outputs of the S2/4 depending on the mixer inputs.
- Make sure to select the correct input on the house mixer using the selector switches and consider if the crossfader is in through (THRU) mode or assigned to one side of the crossfader and set your positions accordingly.

Consult the venue audio technician to confirm how you should connect!

Frequently Asked Questions

Why is the volume in my headphones low even if I turn up the CUE VOL all the way?

- The S2/4 headphone volume is reduced when the unit is not connected to external power. Use the external power supply in wherever possible.
- There is a separate CUE VOL knob in Traktor that may need to be increased to boost headphone volume level.

I want to connect more speakers! Can I use both the RCA and 1/4” outputs at the same time?

- Yes!
- Those models with a MAIN/BOOTH switch and GAIN knob on the back of the unit also let you change the volume level of that output (indicated by the solid white line above the outputs and the MAIN/BOOTH controls) so that you can, for example, increase the DJ Booth speakers for clearer sound to aid beatmatching.

Why do I only have sound from one speaker or the sound is distorted?

- You may have used a different cable than indicated in this guide. A common mistake is using a 1/4” TRS Stereo Jack to Dual RCA cable in the Balanced Outputs of the S2/4. This results in combinations of low sound level, sound from one speaker or distorted output.
- In Traktor, expand Decks A and B into advanced mode (by repeatedly double clicking on the grey bar above the track title information or enabling Advanced Mode in the Layout settings). Ensure that the software PAN knob is centred.

Why is the sound from my speakers extremely quiet? I can barely hear it!

- The outputs of the S2/4 are not amplified. You may have connected passive speakers that will not work without an amplifier. Seek some advice from your local DJ or Audio equipment store.

My sound is loud, but distorted. I think it may be clipping, but how do I tell?

- Keep out of the red!
- First check to see if the track channel itself is clipping by showing red LEDs on the S2/4 channel level meters. Turn the gain down on that deck to just below the clipping point.
- Note that Traktor now has an autogain function and a second “track” gain that needs to be checked. This is accessed by clicking on the blue illuminated circle in Traktor just below the Gain knob.
- Then ensure that the Traktor **Software** Main Level isn't clipping due to the Main Level Gain being too high or effects boosting the signal. This can be seen on the S4 Main Level LED meters but first check the Traktor **software** Main Gain knob.
- The S2/4 Main knob is a volume level control at the last stage of the audio processing. Look at your speakers or amplifier and check if they are indicating clipping – usually a red indicator LED. Turn the S4 Main knob down until the clipping or distortion stops.
- Check the gain setting on the amplifier or powered speaker and make sure you are around the midpoint before trying to increase the volume again.

Is there any specific order to connect speakers?

- Make all cabling connections first before powering on any equipment.
- Speakers should always be the last thing turned on at the start of the gig and first thing turned off before disconnecting any cables. This avoids any pops or loud noises that could damage equipment or hearing.

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